

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/579,456
Source: IFWO
Date Processed by STIC: 05/25/2006

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IFWP

RAW SEQUENCE LISTING

DATE: 05/25/2006

PATENT APPLICATION: US/10/579,456

TIME: 09:35:21

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\05252006\J579456.raw

3 <110> APPLICANT: VIB vzw

5 <120> TITLE OF INVENTION: DIAGNOSTIC TESTS FOR THE DETECTION OF MOTOR
NEUROPATHY

7 <130> FILE REFERENCE: VTI/HSP/V171

C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/579,456

C--> 10 <141> CURRENT FILING DATE: 2006-05-15

12 <150> PRIOR APPLICATION NUMBER: EP03104181.7

13 <151> PRIOR FILING DATE: 2003-11-13

15 <160> NUMBER OF SEQ ID NOS: 79

17 <170> SOFTWARE: PatentIn version 3.1

19 <210> SEQ ID NO: 1

20 <211> LENGTH: 1511

21 <212> TYPE: DNA

22 <213> ORGANISM: Homo sapiens

24 <400> SEQUENCE: 1

25 cagccaccat ggctgacggt cagatgccct tctcctgccca ctacccaagc cgctgcgcc 60
 27 gagaccctt ccgggactct cccctctcct ctgcctgct ggatgatggc ttggcatgg 120
 29 accccttccc agacgacttg acagcctctt ggcccgactg ggctctgcct cgtctctcct 180
 31 ccgctggcc aggcacccta aggtcgggca tgggtgcccc gggcccccact gccaccgcca 240
 33 ggtttggggt gcttgccgag ggcaggaccc cccaccctt ccctggggag ccctggaaag 300
 35 tgtgtgtgaa tgtgcacagc ttcaagccag aggagttgat ggtgaagacc aaagatggat 360
 37 acgtggaggt gtctggcaaa catgaagaga aacagcaaga aggtggcatt gtttctaaga 420
 39 acttcacaaa gaaaatccag cttcctgcag aggtggatcc tgtgacagta tttgcctcac 480
 41 tttcccaga gggctgctg atcatcgaag ctcccagggt ccctccttac tcaacatttg 540
 43 gagagagcag tttcaacaac gagcttcccc aggacagcca ggaagtcacc tgtacctgag 600
 45 atgccagtac tggcccatcc ttgttttgtc cccaacccta gggcttctct gattccagga 660
 47 tacattactt tagctgaact cagatttagt gcaagtaaaa tgtagagggt tgcgggggtg 720
 49 aggactgacc acagattccc tggatagtgt agtggtagat ttctccacag gatagcgcaa 780
 51 ttggcaaatc atgcttggtt gtgttaggcc aaaatactag ttttgccttc tttacctttt 840
 53 ctatcttgat gaaaatggtg cacattctat agttgcaaaa cacataaaaag gggacttaac 900
 55 atttcacgtt gtatcttact tgcagtgaat gcaagggtta cttttctctg gggacctccc 960
 57 ccatcaccca ggttcctact ctgggctccc gattcccatg gctcccaaac catgccgcac 1020
 59 ggtttggtta atgaaaccca atagctaacc ccactgtgct tccacatgcc tggcctaaaa 1080
 61 tgggtgatat acagggtctta tatccccata tggaatttat ccatcaacca cataaaaaa 1140
 63 aacagtgcct tctgccctct gccagatgt gtccagcacg ttctcaaagt ttccacatta 1200
 65 gcactcccta aggacgctgg gagcctgtca gtttatgata tgacctaggt ccccccttc 1260
 67 ttctgtcccc tgtgtttaag tcgggatttt tacagaggga gctgtctcca gacagctcca 1320
 69 tcaggaacca agcaaaggcc agatagcctg acagataggc tagtggtatt gtgtatatgg 1380
 71 gcgggacgtg tgtgtcatta ttatttgagt tatgctgttg tttaggggta aataacagta 1440
 73 aataattaat aataataata ataataataa taaaggagct gacgttctta aaaaaaaaaa 1500
 75 aaaaaaaaaa a 1511

78 <210> SEQ ID NO: 2

79 <211> LENGTH: 196

80 <212> TYPE: PRT

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81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
85 Met Ala Asp Gly Gln Met Pro Phe Ser Cys His Tyr Pro Ser Arg Leu
86 1 5 10 15
89 Arg Arg Asp Pro Phe Arg Asp Ser Pro Leu Ser Ser Arg Leu Leu Asp
90 20 25 30
93 Asp Gly Phe Gly Met Asp Pro Phe Pro Asp Asp Leu Thr Ala Ser Trp
94 35 40 45
97 Pro Asp Trp Ala Leu Pro Arg Leu Ser Ser Ala Trp Pro Gly Thr Leu
98 50 55 60
101 Arg Ser Gly Met Val Pro Arg Gly Pro Thr Ala Thr Ala Arg Phe Gly
102 65 70 75 80
105 Val Pro Ala Glu Gly Arg Thr Pro Pro Pro Phe Pro Gly Glu Pro Trp
106 85 90 95
109 Lys Val Cys Val Asn Val His Ser Phe Lys Pro Glu Glu Leu Met Val
110 100 105 110
113 Lys Thr Lys Asp Gly Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys
114 115 120 125
117 Gln Gln Glu Gly Gly Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln
118 130 135 140
121 Leu Pro Ala Glu Val Asp Pro Val Thr Val Phe Ala Ser Leu Ser Pro
122 145 150 155 160
125 Glu Gly Leu Leu Ile Ile Glu Ala Pro Gln Val Pro Pro Tyr Ser Thr
126 165 170 175
129 Phe Gly Glu Ser Ser Phe Asn Asn Glu Leu Pro Gln Asp Ser Gln Glu
130 180 185 190
133 Val Thr Cys Thr
134 195
137 <210> SEQ ID NO: 3
138 <211> LENGTH: 76
139 <212> TYPE: PRT
140 <213> ORGANISM: Triticum aestivum
142 <400> SEQUENCE: 3
144 Pro Ala Ile Ser Gly Gly Gly Ser Glu Thr Ala Ala Phe Ala Asn Ala
145 1 5 10 15
148 Arg Met Asp Trp Lys Glu Thr Pro Glu Ala His Val Phe Lys Ala Asp
149 20 25 30
152 Leu Pro Gly Val Lys Lys Glu Glu Val Lys Val Glu Val Glu Asp Gly
153 35 40 45
156 Asn Val Leu Val Val Ser Arg Thr Lys Glu Lys Glu Asp Lys Asn Asp
157 50 55 60
160 Arg Ser Ser Gly Lys Phe Val Arg Arg Phe Arg Leu
161 65 70 75
164 <210> SEQ ID NO: 4
165 <211> LENGTH: 76
166 <212> TYPE: PRT
167 <213> ORGANISM: Drosophila melanogaster
169 <400> SEQUENCE: 4
171 Gly Tyr Leu Arg Pro Trp His Thr Asn Ser Leu Gln Lys Gln Glu Ser

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172 1          5          10          15
175 Gly Ser Thr Leu Asn Ile Asp Ser Glu Lys Phe Glu Val Ile Leu Asp
176          20          25          30
179 Val Gln Gln Phe Ser Pro Ser Glu Ile Thr Val Lys Val Ala Asp Lys
180          35          40          45
183 Phe Val Ile Val Glu Gly Lys His Glu Glu Lys Gln Asp Glu His Gly
184          50          55          60
187 Tyr Val Ser Arg Gln Phe Ser Arg Arg Tyr Gln Leu
188 65          70          75
191 <210> SEQ ID NO: 5
192 <211> LENGTH: 76
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 5
198 Ser Pro Tyr Tyr Arg Gln Ser Leu Phe Arg Thr Val Leu Asp Ser Gly
199 1          5          10          15
202 Ile Ser Glu Val Arg Ser Asp Arg Asp Lys Phe Val Ile Phe Leu Asp
203          20          25          30
206 Val Lys His Phe Ser Pro Glu Asp Leu Thr Val Lys Val Gln Asp Asp
207          35          40          45
210 Phe Val Glu Ile His Gly Lys His Asn Glu Arg Gln Asp Asp His Gly
211          50          55          60
214 Tyr Ile Ser Arg Glu Phe His Arg Arg Tyr Arg Leu
215 65          70          75
218 <210> SEQ ID NO: 6
219 <211> LENGTH: 76
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
223 <400> SEQUENCE: 6
225 Leu Arg Pro Pro Ser Phe Leu Arg Ala Pro Ser Trp Phe Asp Thr Gly
226 1          5          10          15
229 Leu Ser Glu Met Arg Leu Glu Lys Asp Arg Phe Ser Val Asn Leu Asp
230          20          25          30
233 Val Lys His Phe Ser Pro Glu Glu Leu Lys Val Lys Val Leu Gly Asp
234          35          40          45
237 Val Ile Glu Val His Gly Lys His Glu Glu Arg Gln Asp Glu His Gly
238          50          55          60
241 Phe Ile Ser Arg Glu Phe His Arg Lys Tyr Arg Ile
242 65          70          75
245 <210> SEQ ID NO: 7
246 <211> LENGTH: 76
247 <212> TYPE: PRT
248 <213> ORGANISM: Homo sapiens
250 <400> SEQUENCE: 7
252 Pro Arg Gly Pro Thr Ala Thr Ala Arg Phe Gly Val Pro Ala Glu Gly
253 1          5          10          15
256 Arg Thr Pro Pro Phe Pro Gly Glu Pro Trp Lys Val Cys Val Asn
257          20          25          30
260 Val His Ser Phe Lys Pro Glu Glu Leu Met Val Lys Thr Lys Asp Gly

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261          35          40          45
264 Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys Gln Gln Glu Gly Gly
265          50          55          60
268 Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln Leu
269 65          70          75
272 <210> SEQ ID NO: 8
273 <211> LENGTH: 76
274 <212> TYPE: PRT
275 <213> ORGANISM: Homo sapiens
277 <400> SEQUENCE: 8
279 Ala Ala Pro Ala Tyr Ser Arg Ala Leu Ser Arg Gln Leu Ser Ser Gly
280 1          5          10          15
283 Val Ser Glu Ile Arg His Thr Ala Asp Arg Trp Arg Val Ser Leu Asp
284          20          25          30
287 Val Asn His Phe Ala Pro Asp Glu Leu Thr Val Lys Thr Lys Asp Gly
288          35          40          45
291 Val Val Glu Ile Thr Gly Lys His Glu Glu Arg Gln Asp Glu His Gly
292          50          55          60
295 Tyr Ile Ser Arg Cys Phe Thr Arg Lys Tyr Thr Leu
296 65          70          75
299 <210> SEQ ID NO: 9
300 <211> LENGTH: 76
301 <212> TYPE: PRT
302 <213> ORGANISM: Mycobacterium leprae
304 <400> SEQUENCE: 9
306 Arg Phe Ala Glu Gln Val Leu Gly Thr Ser Ala Arg Pro Ala Val Met
307 1          5          10          15
310 Pro Met Asp Ala Trp Arg Glu Gly Glu Glu Phe Val Val Glu Phe Asp
311          20          25          30
314 Leu Pro Gly Ile Lys Ala Asp Ser Leu Asp Ile Asp Ile Glu Arg Asn
315          35          40          45
318 Val Val Thr Val Arg Ala Arg Pro Gly Val Asp Pro Asp Arg Glu Met
319          50          55          60
322 Arg Pro Arg Gly Val Phe Asn Arg Gln Leu Val Leu
323 65          70          75
326 <210> SEQ ID NO: 10
327 <211> LENGTH: 76
328 <212> TYPE: PRT
329 <213> ORGANISM: Mus musculus
331 <400> SEQUENCE: 10
333 Pro Arg Gly Pro Pro Ala Thr Ala Arg Phe Gly Val Pro Ala Glu Gly
334 1          5          10          15
337 Arg Ser Pro Pro Pro Phe Pro Gly Glu Pro Trp Lys Val Cys Val Asn
338          20          25          30
341 Val His Ser Phe Lys Pro Glu Glu Leu Met Val Lys Thr Lys Asp Gly
342          35          40          45
345 Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys Gln Gln Glu Gly Gly
346          50          55          60
349 Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln Leu

```

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Input Set : A:\Sequence Listing.txt

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350 65                               70                               75
353 <210> SEQ ID NO: 11
354 <211> LENGTH: 76
355 <212> TYPE: PRT
356 <213> ORGANISM: Rattus norvegicus
358 <400> SEQUENCE: 11
360 Pro Arg Gly Pro Thr Ala Thr Ala Arg Phe Gly Val Pro Ala Glu Gly
361 1                               5                               10                               15
364 Arg Asn Pro Pro Pro Phe Pro Gly Glu Pro Trp Lys Val Cys Val Asn
365                               20                               25                               30
368 Val His Ser Phe Lys Pro Glu Glu Leu Met Val Lys Thr Lys Asp Gly
369                               35                               40                               45
372 Tyr Val Glu Val Ser Gly Lys His Glu Glu Lys Gln Gln Glu Gly Gly
373 50                               55                               60
376 Ile Val Ser Lys Asn Phe Thr Lys Lys Ile Gln Leu
377 65                               70                               75
380 <210> SEQ ID NO: 12
381 <211> LENGTH: 76
382 <212> TYPE: PRT
383 <213> ORGANISM: Caenorhabditis elegans
385 <400> SEQUENCE: 12
387 Leu Tyr Pro Arg Trp Ala Glu Pro Ile Phe Lys Glu Gly Ile Asp Val
388 1                               5                               10                               15
391 Asn Ser Asn Val Val Asn Asp Asp Arg Arg Phe Ala Val Asp Met Asp
392                               20                               25                               30
395 Cys Tyr Gln Phe Arg Pro Glu Glu Ile Gln Val Lys Thr Leu Asp Asp
396                               35                               40                               45
399 Thr Leu Met Ile Glu Gly Arg His Glu Asp Ile Arg Asp Lys Asp Asn
400 50                               55                               60
403 Phe Thr Lys Met Tyr Phe Val Arg Lys Tyr Gln Leu
404 65                               70                               75
407 <210> SEQ ID NO: 13
408 <211> LENGTH: 19
409 <212> TYPE: DNA
410 <213> ORGANISM: Homo sapiens
412 <220> FEATURE:
413 <221> NAME/KEY: misc_feature
414 <223> OTHER INFORMATION: Fig. 3: control person
417 <400> SEQUENCE: 13
418 ccaccgccag gtttggggt
421 <210> SEQ ID NO: 14
422 <211> LENGTH: 19
423 <212> TYPE: DNA
424 <213> ORGANISM: Homo sapiens
426 <220> FEATURE:
427 <221> NAME/KEY: misc_feature
428 <223> OTHER INFORMATION: fig. 3: AJ-135
431 <400> SEQUENCE: 14
432 ccaccgccak gtttggggt

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19

19

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/579,456

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Input Set : A:\Sequence Listing.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:16; N Pos. 9

Seq#:17; N Pos. 11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/579,456

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Input Set : A:\Sequence Listing.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0

L:487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0